



**Water & Wastewater Commission  
Review and Recommendation**

<b>Commission Meeting Date:</b>	July 14, 2021	<b>COA Strategic Direction:</b>	Health and Environment; Safety
<b>Council Meeting Date:</b>	July 29, 2021		
<b>Department:</b>	Purchasing		
<b>Client:</b>	Rick Coronado		
<b>Agenda Item</b>			
Recommend approval to negotiate and execute a contract with Yokogawa Fluid Imaging Technologies, Inc., to provide a digital imaging particle analyzer, in an amount not to exceed \$150,000.			
<b>Amount and Source of Funding</b>			
Funding is available in the Fiscal Year 2020-2021 Operating Budget of Austin Water.			
<b>Purchasing Language:</b>	Sole Source.		
<b>Prior Council Action:</b>	N/A.		
<b>Boards and Commission Action:</b>	July 14, 2021 — To be reviewed by the Water and Wastewater Commission.		
<b>MBE/WBE:</b>	Sole source contracts are exempt from the City Code Chapter 2-9D Minority Owned and Women Owned Business Enterprise Procurement Program; therefore, no subcontracting goals were established.		

The contract will provide the City with a digital imaging particle analyzer, specifically, the FlowCam Cyano, for the purpose of monitoring raw source waters to identify and enumerate cyanobacteria and nuisance phytoplankton. This will increase testing, better monitor blue/green algae for cyanotoxins and odor issues.

The laboratory currently monitors three source water samples on a weekly basis. This examination is being performed manually and takes approximately four hours to complete. In depth training is necessary to perform this analysis and takes a minimum of six months with continued training for months to come. The FlowCam Cyano analysis takes approximately 15 minutes allowing the lab to increase testing frequency. Automating the examination also reduces the amount of time required to train new analysts as the instrument images the particles rather than the naked eye. This will also ensure consistency between analysts and accuracy of results.

The FlowCam Cyano is a unique digital imaging particle analyzer having technology protected by U.S. patents that embodies the use of novel imaging techniques, fluorescence detection/measurement, and proprietary interactive Visual Spreadsheet image recognition software. The FlowCam Cyano can only be sourced through Yokogawa Fluid Imaging Technologies and their representatives.

### **PRICE ANALYSIS**

- a) Cost Analysis: The proposed contract pricing is consistent with a 3.21% increase represented in the market